amped|wireless

SETUP GUIDE

— READ FIRST —

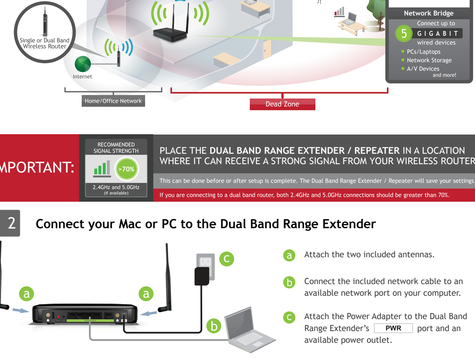
? Need Help? Give us a call.

Phone: 888-573-8820
Email: techsupport@ampedwireless.com
Web: www.ampedwireless.com/support

High Power Wireless-N 600mW Gigabit Dual Band Range Extender / Repeater

SR20000G

1 Find an optimal setup location between your wireless router and your wireless dead zone

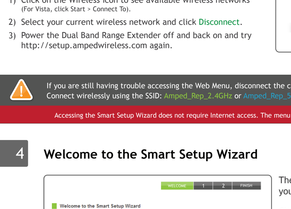


IMPORTANT: PLACE THE **DUAL BAND RANGE EXTENDER / REPEATER** IN A LOCATION WHERE IT CAN RECEIVE A STRONG SIGNAL FROM YOUR WIRELESS ROUTER

This can be done before or after setup is complete. The Dual Band Range Extender / Repeater will save your settings.

If you are connecting to a dual band router, both 2.4GHz and 5.0GHz connections should be greater than 70%.

2 Connect your Mac or PC to the Dual Band Range Extender



a. Attach the two included antennas.

b. Connect the included network cable to an available network port on your computer.

c. Attach the Power Adapter to the Dual Band Range Extender's **PWR** port and an available power outlet.

3 Open your web browser

Enter the setup web address into your browser:

http://setup.ampedwireless.com

If the URL fails to open try: http://192.168.1.240

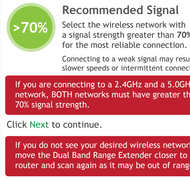
Recommended browsers: Google Chrome, Safari or Internet Explorer (8.0 and up). Do not use Firefox.

IF YOU HAVE PROBLEMS ACCESSING THE WEB MENU...

Disconnect your PC from wireless networks, open your browser and try again.

Windows 7 & Vista (example)

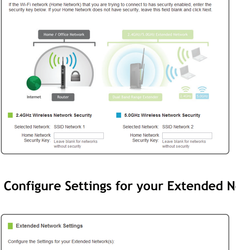
1) Click on the Wireless icon to see available wireless networks (For Vista, click Start > Connect To).
2) Select your current wireless network and click Disconnect.
3) Power the Dual Band Range Extender off and back on and try http://setup.ampedwireless.com again.



If you are still having trouble accessing the Web Menu, disconnect the cable from your computer to the Range Extender. Connect wirelessly using the SSID: Amped_Rep_2.4GHz or Amped_Rep_5.0GHz and Password: wireless and try again.

Accessing the Smart Setup Wizard does not require Internet access. The menu is served from the Dual Band Range Extender.

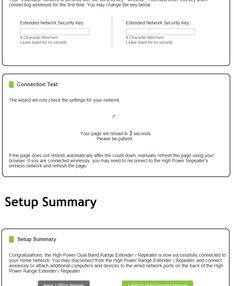
4 Welcome to the Smart Setup Wizard


WELCOME
1
2
FINISH
Welcome to the Smart Setup Wizard
The Amped Wireless High Power Range Extender / Repeater extends your wireless coverage by repeating the signal from your home or office wireless network (Home Network). The Smart Setup Wizard will guide you through the simple setup of your High Power Range Extender / Repeater. Click Next to continue!
Home / Office Network
2.4GHz/5.0GHz Extended Network
Internet
Router
Dual Band Range Extender
2.4GHz
5.0GHz

The wizard will guide you through the setup of your Dual Band Range Extender.

Click Next to begin.

5 Scan for a Wireless Network to Repeat



Click Scan to begin scanning for nearby wireless networks (2.4GHz and 5.0GHz).

Highlight and select the wireless network(s) that you wish to repeat. If you have a dual band router, select BOTH the 2.4GHz and 5.0GHz network names.

>70% **Recommended Signal**

Select the wireless network with a signal strength greater than **70%** for the most reliable connection.

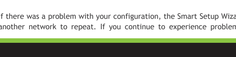
Connecting to a weak signal may result in slower speeds or intermittent connectivity.

If you are connecting to a 2.4Ghz and a 5.0Ghz network, BOTH networks must have greater than 70% signal strength.

Click Next to continue.

If you do not see your desired wireless network, move the Dual Band Range Extender closer to the router and scan again as it may be out of range.

6 Home Network Security Settings (If necessary)


WELCOME
1
2
FINISH
Security Settings (if necessary)
If the Wi-Fi network (Home Network) that you are trying to connect to has security enabled, enter the security key below. If your Home Network does not have security, leave this field blank and click Next.
Home / Office Network
2.4GHz/5.0GHz Extended Network
Internet
Router
Dual Band Range Extender
2.4GHz
5.0GHz
2.4GHz Wireless Network Security
5.0GHz Wireless Network Security
Selected Network
SSID Network 1
SSID Network 2
Home Network Security Key
Leave blank for networks without security

If your wireless home network(s) has security enabled, you will need to enter the security key here. If you selected a dual band network to repeat, you will need to enter both security keys here.

If your wireless home network(s) does not have security enabled, leave the security field blank.

Click Next to continue.

7 Configure Settings for your Extended Networks

Extended Network Settings
Configure the Settings for your Extended Network(s)
Home / Office Network
2.4GHz/5.0GHz Extended Network
Internet
Router
Dual Band Range Extender
Extended Network Names
The identification name of your "Extended" wireless network is "Amped_Rep_2.4GHz" or "Amped_Rep_5.0GHz." This is the name that wireless users will use to connect to your repeated network. You may change the settings below.
2.4GHz Wireless Extended Network
5.0GHz Wireless Extended Network
Extended Network ID (SSID):
Extended Network Security Keys
Your "Extended" network is secured with the security key: "wireless". You must enter this key when connecting wirelessly for the first time. You may change the key below.
Extended Network Security Key:
8 Character Minimum
Leave blank for no security

The Dual Band Range Extender will create two extended networks: a 2.4GHz Extended Network and a 5.0GHz Extended Network.

The IDs of your Extended Networks are: Amped_Rep_2.4GHz and Amped_Rep_5.0GHz

To change them, enter a new name in the SSID field. Users connecting wirelessly to the Dual Band Range Extender will use this ID to identify your Extended Network.

The default Security Key (WPA/WPA2 Mixed Mode) for both (2.4GHz and 5.0GHz) Extended Networks is: wireless

To change it, enter a new key in the Security Key field. The key must be at least 8 characters long.

Click Next to apply your settings. The Dual Band Range Extender will reboot.

Connection Test
The wizard will now check the settings for your network.
Your page will reload in 3 seconds.
Please be patient.
If the page does not refresh automatically after the count down, manually refresh the page using your browser. If you are connected wirelessly, you may need to reconnect to the High Power Repeater's wireless network and refresh the page.

The Setup Wizard will now check if your settings are correct. This process may take up to 2 minutes. Do not refresh the web page. The page will automatically reload with the connection status. If your settings were entered incorrectly, the wizard will inform you to re-enter your settings.

8 Setup Summary

Setup Summary
Congratulations, the High Power Dual Band Range Extender / Repeater is now successfully connected to your Home Network. You may disconnect from the High Power Range Extender / Repeater and connect wirelessly or attach additional computers and devices to the wired network ports on the back of the High Power Range Extender / Repeater.
Home / Office Network
2.4GHz/5.0GHz Extended Network
Internet
Router
Dual Band Range Extender
2.4GHz
5.0GHz
PRINT THIS PAGE FOR YOUR RECORDS
Print

Congratulations, the Dual Band Range Extender is now successfully configured. Your settings are now saved. You may now detach the Ethernet cable from your computer and connect wirelessly to the Dual Band Range Extender.

Print the Setup Summary details and save it for future reference.

If you haven't already positioned your Dual Band Range Extender in an optimal location, you may do so now. All Range Extender settings are saved and can be safely powered off for relocation.

You may also attach additional wired network devices to the wired ports on the back of the Dual Band Range Extender.

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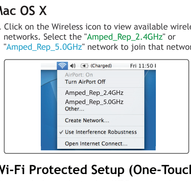
If there was a problem with your configuration, the Smart Setup Wizard will inform you to restart the Wizard and select another network to repeat. If you continue to experience problems, please contact Amped Wireless Elite Support.

How to Connect your Wireless Computer to the Dual Band Range Extender

Connecting to the 5.0GHz network requires that you have a 5.0GHz capable network adapter.

Windows 7 and Vista

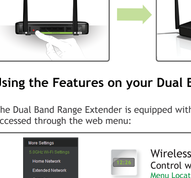
A. Click on the Wireless icon to see available wireless networks (For Vista, click Start > Connect To). Select the "Amped_Rep_2.4GHz" or "Amped_Rep_5.0GHz" network and click Connect.



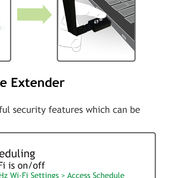
B. When prompted, enter the wireless security key "wireless" and click OK.

Mac OS X

A. Click on the Wireless icon to view available wireless networks. Select the "Amped_Rep_2.4GHz" or "Amped_Rep_5.0GHz" network to join that network.

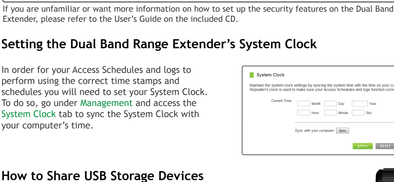


B. When prompted, enter the wireless security key "wireless" and click OK.



Wi-Fi Protected Setup (One-Touch Setup or Push Button Configuration)

If your wireless adapter has WPS one-touch setup, you can use it when connecting to the Dual Band Range Extender. Hold down the WPS button on the Dual Band Range Extender (back panel) for 3 seconds. The WPS LED will begin to blink. As it blinks, push the WPS button on your wireless adapter or enable WPS with the provided software for your wireless adapter.



Using the Features on your Dual Band Range Extender

The Dual Band Range Extender is equipped with many powerful security features which can be accessed through the web menu:

Web Menu (Left Side)

Wireless Access Scheduling
Control when your Wi-Fi is on/off
Menu Location: 2.4 or 5.0GHz Wi-Fi Settings > Access Schedule

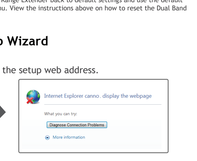
User Access Control
Restrict network access to specific users
Menu Location: User Access

Wireless Coverage Control
Adjust the distance of your wireless network
Menu Location: 2.4 or 5.0GHz Wi-Fi Settings > Wireless Coverage

If you are unfamiliar or want more information on how to set up the security features on the Dual Band Range Extender, please refer to the User's Guide on the included CD.

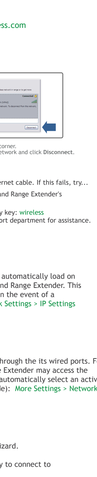
Setting the Dual Band Range Extender's System Clock

In order for your Access Schedules and logs to perform using the correct time stamps and schedules you will need to set your System Clock. To do so, go under Management and access the System Clock tab to sync the System Clock with your computer's time.



How to Share USB Storage Devices

1. Connect a USB storage device to the USB port on the back panel.
2. Log on to the web menu at http://setup.ampedwireless.com and click the USB Storage tab.
3. Follow the instructions for configuring the settings to share your USB storage device among locally connected users.



How to Reset the Dual Band Range Extender to Default Settings

There are two options to reset the Dual Band Range Extender back to factory default settings:

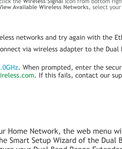
1. Reset the Dual Band Range Extender through the web menu (left side):
   More Settings > Management > Save/Reload Settings
   Select the Reset Settings to Default button.
2. Locate the Reset button on the back panel of the Dual Band Range Extender. Hold down the Reset button for 5 - 10 seconds and release. You may need to use a pen tip or pin to access the button.

Setting a Login and Password for the Web Menu

The Dual Band Range Extender does not have a default login or password to access the web menu.

LOGIN:
PASSWORD:

It is strongly recommended that you change these settings and select your own personal login and password. The Password menu can be accessed through the web menu (left side):
More Settings > Management > Password


Password
Prevent unauthorized access to your High Power Dual Band Repeater's web-based configuration menu, by entering a user name and password. It is important to remember these fields blank and you do not be prompted for a password when accessing the web menu.
New Login
New Password
Confirmed Password
APPLY
RESET

This login/password is NOT the wireless network key used to connect to your wireless networks.

If you forget your login and password, you will need to reset the Dual Band Range Extender back to default settings and use the default login and password (leave login and password blank) to access the web menu. View the instructions above on how to reset the Dual Band Range Extender back to default settings.

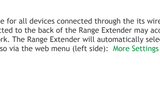
Tips: Trouble Accessing the Smart Setup Wizard

PROBLEM: The Setup Wizard does not appear when you enter the setup web address.

Enter the setup web address into your browser:

http://setup.ampedwireless.com

If the URL fails to open, then try: http://192.168.1.240



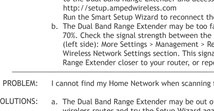
SOLUTION: Disconnect your computer from all Wi-Fi networks and try again.
Your computer should be connected to the Dual Band Range Extender with the included Ethernet cable.

a. Disconnect your computer from all wireless networks.

b. Enter http://setup.ampedwireless.com into your web browser again.

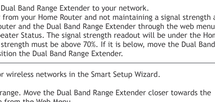
NOTE: Your computer does not need Internet to access the Smart Setup Wizard.

Windows 7:



Click the **Wireless Signal** icon from bottom right corner.
Select your network and click **Disconnect**.

Windows XP:



Right click the **Wireless Signal** icon from bottom right corner.
Click **View Available Wireless Networks**, select your network and click **Disconnect**.

If you continue to have problems accessing the Smart Setup Wizard:

a. Reboot the Dual Band Range Extender. Disconnect your computer from all wireless networks and try again with the Ethernet cable. If this fails, try...

b. Disconnect the cable from your computer to the Dual Band Range Extender. Connect via wireless adapter to the Dual Band Range Extender's wireless network:
   Look for the wireless network named: Amped_Rep_2.4GHz or Amped_Rep_5.0GHz. When prompted, enter the security key: wireless
   Once connected, open your web browser and access: http://setup.ampedwireless.com. If this fails, contact our support department for assistance.

Autoloading Web Menu

When the Dual Band Range Extender loses its connection with your Home Network, the web menu will automatically load on your web browser. All web address entries will be redirected to the Smart Setup Wizard of the Dual Band Range Extender. This redirect feature is meant to notify and help you to easily reconfigure your Dual Band Range Extender in the event of a disconnection. You may disable this feature through the web menu (left side): More Settings > Network Settings > IP Settings

Wired Port Routing

The Dual Band Range Extender automatically designates the Internet route for all devices connected through the its wired ports. For example, if you are connected to a dual band network, computers connected to the back of the Range Extender may access the Internet through your 2.4GHz Home Network or your 5.0GHz Home Network. The Range Extender will automatically select an active route, however if you feel you need to change these settings you may do so via the web menu (left side): More Settings > Network Settings > Wired Port Routing

Troubleshooting Tips

PROBLEM: I cannot connect to my Home Network. I received an error when running the Smart Setup Wizard.

SOLUTIONS:
a. Your Home Network may be secured. Double check that you have the correct security key to connect to the Home Network.
b. Reboot your Home Network router and try to connect again using the Smart Setup Wizard.
c. Check to see that your Home Network router's DHCP server is enabled. The Dual Band Range Extender needs to obtain an IP from your Home Network router.

PROBLEM: My Dual Band Range Extender was working fine previously, but now I can no longer access the Internet through the Dual Band Range Extender.

SOLUTIONS:
a. The connection to your Home Network may have been dropped or the router settings may have changed. Changes to the router could be a result of several events, such as a power outage. When this occurs, connect to the Dual Band Range Extender and access the setup menu using the web address: http://setup.ampedwireless.com
Run the Smart Setup Wizard to reconnect the Dual Band Range Extender to your network.
b. The Dual Band Range Extender may be too far from your Home Router and not maintaining a signal strength above 70%. Check the signal strength between the router and the Dual Band Range Extender through the web menu (left side): More Settings > Management > Repeater Status. The signal strength readout will be under the Home Wireless Network Settings section. This signal strength must be above 70%. If it is below, move the Dual Band Range Extender closer to your router, or reposition the Dual Band Range Extender.

PROBLEM: I cannot find my Home Network when scanning for wireless networks in the Smart Setup Wizard.

SOLUTIONS:
a. The Dual Band Range Extender may be out of range. Move the Dual Band Range Extender closer towards the wireless router and try the Setup Wizard again from the Web Menu.
b. Make sure that your Home Network's wireless SSID is broadcasting and not hidden. Hidden SSIDs will require that you manually enter the SSID into the Wireless Settings > Home Network menu.

PROBLEM: I have a dual band router and I cannot repeat a network (or both networks).

SOLUTIONS:
a. The Dual Band Range Extender will repeat the 2.4GHz and 5.0GHz signal from your router simultaneously. To ensure a reliable and strong connection for both wireless networks, make sure that both, 2.4GHz and 5.0GHz wireless networks, have a signal strength above 70%. If necessary, reposition the Dual Band Range Extender closer to the dual band router to help further maintain a strong connection.
b. Check to make sure that you have the correct security key for both the 2.4GHz and 5.0GHz network of your dual band router. These keys may sometimes be different from each other.
c. Ensure that your dual band router does not have any security features enabled, such as MAC address filtering, which may be blocking the connection. If features are enabled, please disable them and run the Smart Setup Wizard again.

If you continue to have issues setting up the High Power Dual Band Range Extender, give us a call -- we're here to help: 888-573-8820
Visit our website for more support information and answers to frequently asked questions: www.ampedwireless.com/support

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